

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I verily believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **Antisense Modulation of Phosphatidylinositol-4-phosphate, 1 α Expression** the specification of which:

(XX) is attached hereto.

() was filed on _____ as Application Serial No. _____ and was amended on _____ (if applicable).

I hereby state that ☒ I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

Country	Number	Date Filed	Priority Claimed			
			Yes		No	
			Yes		No	
			Yes		No	

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status (pending, patented)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Provisional Application No.	Filing Date

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Herb Boswell, Registration No. 27,311; Laurel Spear Bernstein, Registration No. 37,280; Neil S. Bartfeld, Registration No. 39,901; April C. Logan, Registration No. 33,950; and Donna T. Ward, Registration No. 48,271 of Isis Pharmaceuticals, Inc.; and Jane Massey Licata, Registration No. 32,257, and Kathleen A. Tyrrell, Registration No. 38,350 of the firm of Licata and Tyrrell P.C., 66 East Main Street, Marlton NJ 08053.

Address all telephone calls and correspondence to:

Jane Massey Licata or Kathleen A. Tyrrell
Licata and Tyrrell P.C.
66 East Main Street
Marlton NJ 08053
(856) 810-1515

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1	Full Name: C. Frank Bennett	Inventor's Signature: <i>C. Frank Bennett</i>	Date: 11-29-01
	Residence: 1347 Cassins Street Carlsbad California 92009	Citizenship: USA	
	Post Office Address:same as above		
2	Full Name: Susan M. Freier	Inventor's Signature: <i>Susan Freier</i>	Date: 11-29-01
	Residence: 2946 Renault Street San Diego California 92122	Citizenship: USA	
	Post Office Address:same as above		
3	Full Name:	Inventor's Signature:	Date:
	Residence:	Citizenship:	
	Post Office Address: same as above		

11/30/01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

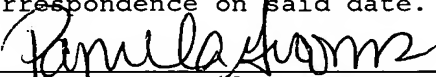
Inventor(s): C. Frank Bennett and Susan M. Freier

Serial No.: not yet assigned Filing Date: herewith


Title: Antisense Modulation of Phosphatidylinositol-4-phosphate 5-kinase, In Expression

Statement of attempt to deposit correspondence with the USPS via Express Mail.Date of attempt to deposit via Express Mail: 11/30/01

I hereby certify that I attempted to deposit this correspondence with the USPS via Express Mail on the above date. The USPS refused to accept this correspondence on said date.


Typed Name: Pamela Grooms

I hereby certify that all statements made herein are true.


Donna T. Ward
Registration No.: 48,271

Date: November 30, 2001

Please address all correspondence to:

Jane Massey Licata or Kathleen A. Tyrrell
Licata & Tyrrell, P.C.
66 East Main Street
Marlton NJ 08053
(856) 810-1515

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